

Paul Aj Krijnen

List of Publications by Year in descending order

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69
papers

1,629
citations

257450

24
h-index

315739

38
g-index

69
all docs

69
docs citations

69
times ranked

2999
citing authors

#	ARTICLE	IF	CITATIONS
1	Monocyte subset accumulation in the human heart following acute myocardial infarction and the role of the spleen as monocyte reservoir. <i>European Heart Journal</i> , 2014, 35, 376-385.	2.2	210
2	Myocardial infarction triggers cardioprotective antigen-specific T helper cell responses. <i>Journal of Clinical Investigation</i> , 2019, 129, 4922-4936.	8.2	109
3	Human platelet lysate as a fetal bovine serum substitute improves human adipose-derived stromal cell culture for future cardiac repair applications. <i>Cell and Tissue Research</i> , 2012, 348, 119-130.	2.9	84
4	Acute Inflammation is Persistent Locally in Burn Wounds: A Pivotal Role for Complement and C-Reactive Protein. <i>Journal of Burn Care and Research</i> , 2009, 30, 274-280.	0.4	57
5	Homocysteine-Induced Apoptosis in Endothelial Cells Coincides With Nuclear NOX2 and Peri-nuclear NOX4 Activity. <i>Cell Biochemistry and Biophysics</i> , 2013, 67, 341-352.	1.8	54
6	Type II secretory phospholipase A2 in cardiovascular disease: a mediator in atherosclerosis and ischemic damage to cardiomyocytes?. <i>Cardiovascular Research</i> , 2003, 60, 68-77.	3.8	53
7	NOX5 Expression Is Increased in Intramyocardial Blood Vessels and Cardiomyocytes after Acute Myocardial Infarction in Humans. <i>American Journal of Pathology</i> , 2012, 180, 2222-2229.	3.8	53
8	Intravenous clusterin administration reduces myocardial infarct size in rats. <i>European Journal of Clinical Investigation</i> , 2010, 40, 893-902.	3.4	50
9	Modulators of Macrophage Polarization Influence Healing of the Infarcted Myocardium. <i>International Journal of Molecular Sciences</i> , 2015, 16, 29583-29591.	4.1	49
10	N ^ε -(Carboxymethyl)lysine Depositions in Intramyocardial Blood Vessels in Human and Rat Acute Myocardial Infarction. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2497-2503.	2.4	43
11	Homocysteine affects cardiomyocyte viability: concentration-dependent effects on reversible flip-flop, apoptosis and necrosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007, 12, 1407-1418.	4.9	41
12	Ischemia induces nuclear NOX2 expression in cardiomyocytes and subsequently activates apoptosis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006, 11, 913-921.	4.9	40
13	Intercellular Adhesion Molecule-1 in the Heart. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 573-585.	3.8	35
14	S-Adenosylhomocysteine induces apoptosis and phosphatidylserine exposure in endothelial cells independent of homocysteine. <i>Atherosclerosis</i> , 2012, 221, 48-54.	0.8	34
15	Inhibition of type 2A secretory phospholipase A2 reduces death of cardiomyocytes in acute myocardial infarction. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 753-763.	4.9	31
16	Ventricular myocarditis coincides with atrial myocarditis in patients. <i>Cardiovascular Pathology</i> , 2016, 25, 141-148.	1.6	31
17	Infectious myocarditis: the role of the cardiac vasculature. <i>Heart Failure Reviews</i> , 2018, 23, 583-595.	3.9	31
18	Apoptosis in diabetes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2009, 14, 1387-1388.	4.9	30

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19	Inhibition of Rhoâ€œROCK signaling induces apoptotic and non-apoptotic PS exposure in cardiomyocytes via inhibition of flippase. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 781-790.	1.9	29
20	The role of complement in the acute phase response after burns. <i>Burns</i> , 2017, 43, 1390-1399.	1.9	29
21	Inhibition of sPLA2-IIA, C-reactive Protein or Complement: New Therapy for Patients with Acute Myocardial Infarction?. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2006, 6, 111-121.	0.7	29
22	Atrial Fibrillation Coincides with the Advanced Glycation End Product NÎµ-(Carboxymethyl)Lysine in the Atrium. <i>American Journal of Pathology</i> , 2015, 185, 2096-2104.	3.8	28
23	C-reactive protein and complement depositions in human infarcted myocardium are more extensive in patients with reinfarction or upon treatment with reperfusion. <i>European Journal of Clinical Investigation</i> , 2004, 34, 803-810.	3.4	27
24	Colchicine aggravates coxsackievirus B3 infection in mice. <i>International Journal of Cardiology</i> , 2016, 216, 58-65.	1.7	25
25	Neutrophil extracellular traps coincide with a proâ€œcoagulant status of microcirculatory endothelium in burn wounds. <i>Wound Repair and Regeneration</i> , 2017, 25, 609-617.	3.0	25
26	Development of a new therapeutic technique to direct stem cells to the infarcted heart using targeted microbubbles: StemBells. <i>Stem Cell Research</i> , 2016, 17, 6-15.	0.7	24
27	A new method to determine wound age in early vital skin injuries: A probability scoring system using expression levels of Fibronectin, CD62p and Factor VIII in wound hemorrhage. <i>Forensic Science International</i> , 2014, 244, 128-135.	2.2	23
28	Analysis of inflammatory cells and mediators in skin wound biopsies to determine wound age in living subjects in forensic medicine. <i>Forensic Science International</i> , 2015, 247, 7-13.	2.2	22
29	Inflammatory cell content of coronary thrombi is dependent on thrombus age in patients with ST-elevation myocardial infarction. <i>Journal of Cardiology</i> , 2017, 69, 394-400.	1.9	22
30	Early NADPH oxidase-2 activation is crucial in phenylephrine-induced hypertrophy of H9c2 cells. <i>Cellular Signalling</i> , 2014, 26, 1818-1824.	3.6	19
31	NOX2, p22^{g>phox} and p47^{g>phox} are Targeted to the Nuclear Pore Complex in Ischemic Cardiomyocytes Colocalizing with Local Reactive Oxygen Species. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 471-478.	1.6	17
32	Activated complement is more extensively present in diseased aortic valves than naturally occurring complement inhibitors: a sign of ongoing inflammation. <i>European Journal of Clinical Investigation</i> , 2010, 40, 4-10.	3.4	16
33	Orthopedic surgery increases atherosclerotic lesions and necrotic core area in ApoEâ€œ/â€œ mice. <i>Atherosclerosis</i> , 2016, 255, 164-170.	0.8	15
34	Lymphocytic myocarditis occurs with myocardial infarction and coincides with increased inflammation, hemorrhage and instability in coronary artery atherosclerotic plaques. <i>International Journal of Cardiology</i> , 2017, 232, 53-62.	1.7	15
35	Secretory type II phospholipase A2in culprit coronary lesions is associated with myocardial infarction. <i>European Journal of Clinical Investigation</i> , 2008, 38, 205-210.	3.4	14
36	Homocysteine-induced cardiomyocyte apoptosis and plasma membrane flip-flop are independent of S-adenosylhomocysteine: a crucial role for nuclear p47phox. <i>Molecular and Cellular Biochemistry</i> , 2011, 358, 229-239.	3.1	13

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37	On the value of therapeutic interventions targeting the complement system in acute myocardial infarction. <i>Translational Research</i> , 2017, 182, 103-122.	5.0	13
38	The Basement Membrane of Intramyocardial Capillaries Is Thickened in Patients with Acute Myocardial Infarction. <i>Journal of Vascular Research</i> , 2010, 47, 54-60.	1.4	12
39	Mast cells are increased in the media of coronary lesions in patients with myocardial infarction and may favor atherosclerotic plaque instability. <i>Journal of Cardiology</i> , 2017, 69, 548-554.	1.9	12
40	C1-esterase inhibitor protects against early vein graft remodeling under arterial blood pressure. <i>Atherosclerosis</i> , 2012, 220, 86-92.	0.8	11
41	Endogenous C1-inhibitor production and expression in the heart after acute myocardial infarction. <i>Cardiovascular Pathology</i> , 2016, 25, 33-39.	1.6	11
42	CD45 is a more sensitive marker than CD3 to diagnose lymphocytic myocarditis in the endomyocardium. <i>Human Pathology</i> , 2017, 62, 83-90.	2.0	11
43	Myocardial infarction induces atrial inflammation that can be prevented by C1-esterase inhibitor. <i>Journal of Clinical Pathology</i> , 2016, 69, 1093-1099.	2.0	10
44	Sufentanilâ€“medetomidine anaesthesia compared with fentanyl/fluanisoneâ€“midazolam is associated with fewer ventricular arrhythmias and death during experimental myocardial infarction in rats and limits infarct size following reperfusion. <i>Laboratory Animals</i> , 2018, 52, 271-279.	1.0	10
45	StemBell therapy stabilizes atherosclerotic plaques after myocardial infarction. <i>Cytotherapy</i> , 2018, 20, 1143-1154.	0.7	10
46	Cardiac inflammation and microvascular procoagulant changes are decreased in second wave compared to first wave deceased COVID-19 patients. <i>International Journal of Cardiology</i> , 2022, 349, 157-165.	1.7	10
47	LPS-Induced Systemic Inflammation Does Not Alter Atherosclerotic Plaque Area or Inflammation in APOE3â€“LEIDEN Mice in the Early Phase Up to 15 Days. <i>Shock</i> , 2018, 50, 360-365.	2.1	9
48	Wistar rats from different suppliers have a different response in an acute myocardial infarction model. <i>Research in Veterinary Science</i> , 2014, 96, 377-379.	1.9	8
49	Electrocardiographic changes are strongly correlated with the extent of cardiac inflammation in mice with Cocksackievirus B3-induced viral myocarditis. <i>Cardiovascular Pathology</i> , 2021, 54, 107367.	1.6	8
50	Analysis of morphological characteristics and expression levels of extracellular matrix proteins in skin wounds to determine wound age in living subjects in forensic medicine. <i>Forensic Science International</i> , 2015, 246, 86-91.	2.2	7
51	A comparison in therapeutic efficacy of several time points of intravenous StemBell administration in a rat model of acute myocardial infarction. <i>Cytotherapy</i> , 2017, 19, 131-140.	0.7	7
52	p47phox-Dependent Reactive Oxygen Species Stimulate Nuclear Translocation of the FoxO1 Transcription Factor During Metabolic Inhibition in Cardiomyoblasts. <i>Cell Biochemistry and Biophysics</i> , 2018, 76, 401-410.	1.8	7
53	Shortâ€“term LPS induces aortic valve thickening in ApoE*3Leiden mice. <i>European Journal of Clinical Investigation</i> , 2019, 49, e13121.	3.4	7
54	Lymphocytes Infiltrate the Quadriceps Muscle in Lymphocytic Myocarditis Patients: A Potential New Diagnostic Tool. <i>Canadian Journal of Cardiology</i> , 2014, 30, 1547-1554.	1.7	5

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55	Acute myocardial infarction does not affect functional characteristics of adipose-derived stem cells in rats, but reduces the number of stem cells in adipose tissue. <i>Cell and Tissue Research</i> , 2015, 362, 623-632.	2.9	4
56	Comparing inflammatory cell density in the myocardium and coronary arteries in rheumatoid arthritis patients versus controls with myocardial infarction: A post-mortem caseâ€“control study. <i>International Journal of Cardiology</i> , 2016, 209, 74-76.	1.7	4
57	Scar formation from the perspective of complexity science: a new look at the biological system as a whole. <i>Journal of Wound Care</i> , 2022, 31, 178-184.	1.2	4
58	NAD(P)H oxidase in the failing human heart. <i>Journal of the American College of Cardiology</i> , 2003, 42, 2170-2171.	2.8	3
59	Validation of Ultrastructural Analysis of Mitochondrial Deposits in Cardiomyocytes as a Method of Detecting Early Acute Myocardial Infarction in Humans*. <i>Journal of Forensic Sciences</i> , 2010, 55, 988-992.	1.6	3
60	Evaluating the efficacy of subcutaneous C1-esterase inhibitor administration for use in rat models of inflammatory diseases. <i>Drug Delivery</i> , 2014, 21, 302-306.	5.7	3
61	Homocysteine-induced inverse expression of tissue factor and DPP4 in endothelial cells is related to NADPH oxidase activity. <i>Physiology International</i> , 2019, 106, 29-38.	1.6	3
62	C1 Inhibitor Administration Reduces Local Inflammation and Capillary Leakage, Without Affecting Long-term Wound Healing Parameters, in a Pig Burn Wound Model. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2021, 20, 150-160.	1.1	3
63	Homocysteine Induces Phosphatidylserine Exposure in Cardiomyocytes through Inhibition of Rho Kinase and Flippase Activity. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 53-62.	1.6	2
64	Prevention of ageâ€“induced N(Î¼)â€“(carboxymethyl)lysine accumulation in the microvasculature. <i>European Journal of Clinical Investigation</i> , 2016, 46, 334-341.	3.4	2
65	Arterial Blood Pressure Induces Transient C4b-Binding Protein in Human Saphenous Vein Grafts. <i>Annals of Vascular Surgery</i> , 2017, 41, 259-264.	0.9	2
66	Group II Secretory PLA2: A New Cardiovascular Risk Factor. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2006, 5, 163-173.	1.1	1
67	Letter by Krijnen et al Regarding Article, â€œThe sPLA 2 Inhibition to Decrease Enzyme Release After Percutaneous Coronary Intervention (SPIDER-PCI) Trialâ€• <i>Circulation</i> , 2011, 124, e298; author reply e299-300.	1.6	0
68	Reply to the letter to the editor â€œIs colchicine really harmful in viral myocarditis?â€• <i>International Journal of Cardiology</i> , 2017, 229, 43.	1.7	0
69	PX-18 Protects Human Saphenous Vein Endothelial Cells under Arterial Blood Pressure. <i>Annals of Vascular Surgery</i> , 2017, 42, 293-298.	0.9	0